

## Claims

### What is claimed is:

- 1 1. A system for providing two-way communication of content between a wireless mobile  
2 communication device and a remote computer network, comprising:  
3 a wireless two-way messaging network further comprising:  
4 said wireless communication device;  
5 a basestation in communication with said wireless communication device;  
6 a gateway server in communication with said basestation; and  
7 a network and layer framework for translating said communicated content  
8 between said wireless communication device and said basestation; and  
9 an intermediary computer system in communication with said wireless two-way  
10 messaging network and said remote computer network.
- 1 2. The system of claim 1, wherein said network and layer framework comprises:  
2 a system layer;  
3 an operating system framework layer;  
4 a user interface; and  
5 a Message Transport Protocol stack.
- 1 3. The system of claim 2, wherein said user interface comprises a computer network  
2 browser.
- 1 4. The system of claim 2, wherein said network and layer framework interface further  
2 comprises a data encryption module.

- 1     **5.**     The system of claim 1, wherein said intermediary computer system further comprises:
- 2             a first electronic queue of data communicated from said wireless two-way messaging
- 3     network to said intermediary computer system;
- 4             a plurality of data modules in communication with said first electronic queue;
- 5             an event handler in communication with said plurality of data modules;
- 6             an application dispatcher in communication with said plurality of data modules and said
- 7     event handler;
- 8             a second electronic queue of data communicated from said intermediary computer system
- 9     to said wireless two-way messaging network; and
- 10            a content fetcher in communication with said application dispatcher and said remote
- 11     computer network.
- 12     **6.**     The system of claim 5, wherein said second queue further comprises means for Message
- 13     Transport Protocol encoding.
- 14     **7.**     The system of claim 5, wherein said plurality of data modules comprises at least one of:
- 15             a message validator;
- 16             a session module;
- 17             a wireless IP/IP mapper database;
- 18             a data transformer;
- 19             an encryption module; and
- 20             a cache manager.

1 8. A method for providing two-way communication of content between a wireless mobile  
2 communication device and a remote computer network via an intermediary computer system,  
3 comprising the steps of:

4 originating a request for data at said wireless mobile communication device and  
5 transmitting said data request through a network and layer framework to a two-way wireless  
6 messaging network;

7 transmitting said request for data from said two-way wireless messaging network via a  
8 first electronic queue to said intermediary computer system in communication with said remote  
9 computer network;

10 retrieving the requested data from said remote computer network;

11 placing said retrieved data in a second queue;

12 transmitting said retrieved data from said second queue to said wireless communication  
13 device via said two-way wireless messaging network; and

14 displaying said retrieved data at said wireless communication device.

15 9. The method of claim 8, wherein said request for data is a Uniform Resource Locator.

16 10. The method of claim 8, wherein said wireless communication device includes a stored  
17 Wireless IP, and further wherein the step of transmitting said data request through a network and  
18 layer framework to a two-way wireless messaging network comprises the steps of:

19 encoding said data request into Message Transport Protocol;

20 sending said Message Transport Protocol-encoded data request to one of a short  
21 messaging system stack and an email stack; and

22 transmitting said Message Transport Protocol-encoded data request and said Wireless IP  
23 to said intermediary computer system.

1    **11.**    The method of claim **10**, further comprising the steps of:

2            placing a copy of said Message Transport Protocol-encoded data request in said wireless

3            communication device;

4            waiting a fixed duration for one of positive receipt confirmation and negative receipt

5            confirmation from said intermediary computer system;

6            retrieving said copy of said Message Transport Protocol-encoded data request from said

7            wireless communication device in response to said negative receipt confirmation;

8            transmitting said retrieved copy of said Message Transport Protocol-encoded data request

9            and said Wireless IP to said intermediary computer system; and

10           removing said copy of said Message Transport Protocol-encoded data request from said

11           wireless communication device in response to said positive receipt confirmation from said

12           intermediary computer system.

1    **12.**    The method of claim **8**, wherein the step of retrieving the requested data from said remote

2            computer network further comprises the steps of:

3            retrieving said request for data in said first electronic queue;

4            validating said retrieved request for data for Message Transport Protocol coding and

5            transmission completeness;

6            analyzing said retrieved request for data to identify type of data requested;

7            locating a data module suitable for retrieval of said requested data; and

8            passing said data module to a content fetcher.

1    **13.**    The method of claim **12**, further including the steps of:

2            transforming said retrieved data to an intermediary markup language; and

3            transforming said retrieved data to a target markup language.

1    **14.**    The method of claim **12**, wherein said intermediary markup language is Extensible  
2    Markup Language.

1    **15.**    The method of claim **8**, wherein said second electronic queue divides said retrieved data  
2    into a plurality of data packets.

1    **16.**    The method of claim **15**, further including the step of Message Transport Protocol-  
2    encoding each of said plurality of data packets.

1    **17.**    The method of claim **16**, wherein each of said plurality of data packets has a maximum  
2    length of 448 characters.

1    **18.**    The method of claim **17**, wherein said step of transmitting said retrieved data from said  
2    second electronic queue to said wireless communication device via said two-way wireless  
3    messaging network is conducted using one of Short Messaging Service protocol, Simple Mail  
4    Transfer Protocol, and Simple Network Paging Protocol.

1    **19.**    The method of claim **17**, further including the step of retrieving a Wireless IP and Session  
2    ID for said retrieved data.

1    **20.**    The method of claim **8**, further including the steps of:  
2            encrypting one of said data request and said retrieved data prior to transmission; and  
3            decrypting said one of said data request and said retrieved data subsequent to  
4    transmission.